**CHAPTER 4**

**CONCLUSION**

An algorithm is a sequence of unambiguous instructions for solving a problem, i.e., for obtaining a required output for any legitimate input in finite amount of time. Algorithms play the central role in both the science and the practice of computing. Algorithmic is a branch of computer science that consists of designing and analyzing computer algorithms. Separate Chaining (also called open hashing) in which the idea is to make each cell of hash table point to a linked list of records that have same hash function value. Chaining is simple, but requires additional memory outside the table.

Learning new words from thick book is difficult for students. English vocabulary game can help both native and foreign speakers of English build their English language vocabulary skills. Playing word and vocabulary game is a valuable part of learning English. This game is designed to build vocabulary skills and to motivate people to learn through fun practice in spelling and vocabulary. This system can persuade students for learning new words they don’t know. If the player wants to get more scores, he or she will collect more English words and must be able to think them in a moment.

**4.1 Limitations of the System**

Some limitations of the system are as follows:

* The system can only check words that have been existed in database and does not aim for slang used in some society (like facebook) such as “selfie”.
* This system only contains 111,264 words and does not contain plural nouns and singular verbs.
* Comparative degree and superlative degree for adjectives are not available in this system.
* In duplication, it cannot check the meaning of the word. (In reality, mouse and mice have same meaning but the system cannot know it).

**4.2 Further Extension**

This system can be converted into android game to become more portable. Plural number for nouns can be inserted into database. Meaning checking function can be added to this system. More levels can be added to test the player’s vocabulary skills.

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